

## Message Text

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ORIGIN NASA-02

INFO OCT-01 EUR-12 ISO-00 OES-06 CIAE-00 INR-07 NSAE-00

PM-04 DODE-00 /032 R

DRAFTED BY NASA/I/BGGARNER:SS  
APPROVED BY OES/APT/SA:IMPIKUS  
NASA/I/SEDOYLE EUR/CAN:DKRUSE  
NASA/I/AWFRUTKIN  
NASA/E/LJAFFE  
NASA/S/NWHINNERS  
NASA/W/WWSSNAVELY  
NASA/X/DWILLIAMSON  
NASA/AD/GMLOW

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TO AMEMBASSY OTTAWA

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E.O. 11652:N/A

TAGS: TSPA

SUBJECT: CLEARANCE REQUEST FOR NASA U-2 AIRCRAFT

1. AS PART OF ONGOING STRATOSPHERIC CONSTITUENT STUDIES, NASA PLANS ANOTHER SERIES OF FLIGHTS SEP/OCT 1976 USING ITS U-2 AIRCRAFT. DATA ACQUIRED WILL BE UTILIZED FOR (1) CHEMISTRY AND TRANSPORT STUDIES OF MINOR ATMOSPHERIC COMPONENTS IN ORDER TO DEVELOP THEIR SPATIAL DISTRIBUTION FOR VARIOUS REALISTIC SOURCES, (2) RADIATIVE BALANCE STUDIES TO EVALUATE LONG-TERM EFFECTS OF GASEOUS AND PARTICULATE CONTAMINANTS ON GLOBAL CLIMATE AND OZONE CONCENTRATION AND (3) MEASUREMENTS OF ATMOSPHERIC NON UNIFORMITIES (DISTURBANCES).

2. SEVEN EXPERIMENTS WILL BE CONDUCTED USING AEROSOL

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PARTICLE SAMPLER, STRATOSPHERIC AIR SAMPLER, HIGH

SPECTRAL RESOLUTION INTERFEROMETER SPECTROMETER,  
FILTER WHEEL INFRARED RADIOMETER, STRATOSPHERIC CRYOGENIC  
SAMPLER, AND PHOTOGRAPHIC EARTH SENSOR.

3. AIRCRAFT WOULD STAGE FROM EIELSON AFB, ALASKA 21 SEP  
TO 7 OCT AND FROM HICKAM AFB, HAWAII 27 OCT TO 13 NOV.

4. SIXTEEN (16) DATA FLIGHTS TO BE FLOWN FROM ALASKA.  
AIRCRAFT WOULD PENETRATE CANADIAN AIRSPACE ON FLIGHT TO  
AND FROM EIELSON AFB. ONE RETURN FLIGHT FROM EIELSON TO  
YELLOWKNIFE NORTHWEST TERRITORIES, CANADA IS ALSO PLANNED  
FOR 28 SEPT.

5. FOLLOWING IS PROPOSED FLIGHT PLAN:

A. DEPART MOFFETT FIELD, CALIFORNIA AT 1700 GMT AND  
ARRIVE EIELSON AT 2215 GMT ON OR ABOUT 21 SEP VIA OAKLAND  
AND AIRWAY J-1 TO SEATTLE AND AIRWAY J-HL502 FROM SEATTLE  
TO EIELSON. ALTITUDE 60,000 FT TO MALCOLM (VMH) AND THEN  
70,000 FT VMH TO EIELSON. STRATOSPHERIC SAMPLER WOULD BE  
OPERATED OVER WHOLE ROUTE.

B. ON OR ABOUT 28 SEPT AIRCRAFT WOULD DEPART EIELSON AT  
2000 GMT AND PROCEED DIRECTLY TO YELLOWKNIFE NW TERRI-  
TORIES AND RETURN. ALTITUDE 65,000 FEET. FILTER WHEEL  
INFRARED RADIOMETER WOULD BE OPERATED OVER SELECTED AREAS.

C. ON OR ABOUT 7 OCT AIRCRAFT WOULD RETURN TO MOFFETT  
FROM EIELSON REVERSING COURSE DESCRIBED SUB ITEM A ABOVE.  
ALTITUDE 60,000 FEET TO VMH AND 70,000 VMH TO OAKLAND.  
AGAIN STRATOSPHERIC AIR SAMPLER WILL BE OPERATED OVER  
ENTIRE ROUTE.

D. OPERATIONS FROM HAWAII WILL NOT INVOLVE CANADIAN  
OVERFLIGHT.

6. AIRCRAFT IS USAF OWNED, NASA OPERATED AND MAINTAINED.  
U-2 AIRCRAFT REGISTRY NUMBER EITHER N708NA OR N709NA,  
CALL SIGN NASA 708 OR 709.

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7. CREW CONSISTS OF ONE PILOT MARTIN A KNUTSON, ROBERT J.  
ERICSON (U.S. CITIZENS) OR IVOR B. WEBSTER (U.K. CITIZEN).  
ALTERNATES JAMES BARNES AND RONALD R. WILLIAMS (U.S.  
CITIZENS).

8. PILOT WILL FILE INTERNATIONAL FLIGHT PLANS. DATA CAN  
BE MADE AVAILABLE UPON REQUEST.

9. PLEASE SECURE CLEARANCES FOR ENTIRE PERIOD 21 SEPT  
THRU 7 OCT PLUS OR MINUS 7 DAYS AND ADVISE. KISSINGER

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** SPACE PROGRAMS, FLIGHT CLEARANCES  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 08 JUL 1976  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1976STATE169221  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** SS  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Film Number:** D760265-0018  
**From:** STATE  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1976/newtext/t19760778/aaaacqhj.tel  
**Line Count:** 117  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ORIGIN NASA  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 3  
**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** n/a  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** schwenja  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 16 APR 2004  
**Review Event:**  
**Review Exemptions:** n/a  
**Review History:** RELEASED <16 APR 2004 by ThomasVJ>; APPROVED <11 AUG 2004 by schwenja>  
**Review Markings:**

Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
04 MAY 2006

**Review Media Identifier:**  
**Review Referrals:** n/a  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** CLEARANCE REQUEST FOR NASA U-2 AIRCRAFT  
**TAGS:** TSPA, EAIR, CA, US, NASA  
**To:** OTTAWA  
**Type:** TE  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006